

## **TABLE OF CONTENTS**

### **DOE BULLETIN BOARD**

[What's New on the FEMP Web Site](#)

[Did You Know?](#)

### **CONGRESSIONAL ACTIVITIES**

[Status of Pending Appropriation Bills of Interest to FEMP](#)

[Senate](#)

[Status of Pending Authorization Bills of Interest to FEMP](#)

[New Legislative Initiatives of Interest to FEMP](#)

[House](#)

[Hearings of Interest to FEMP](#)

### **FEDERAL AGENCY ACTIVITIES**

[Federal Energy Regulatory Commission \(FERC\)](#)

[Boston Region](#)

[National Aeronautic and Space Administration \(NASA\)](#)

[Chicago Region](#)

[White House](#)

[Denver Region](#)

[Atlanta Region](#)

[Philadelphia Region](#)

[Seattle Region](#)

### **STATE AND LOCAL GOVERNMENT ACTIVITIES**

[Atlanta Region](#)

[Denver Region](#)

[Boston Region](#)

[Philadelphia Region](#)

[Chicago Region](#)

[Seattle Region](#)

### **UTILITIES AND SUPPLIER ACTIVITIES**

[General Announcements](#)

[Denver Region](#)

[Atlanta Region](#)

[Philadelphia Region](#)

[Boston Region](#)

[Seattle Region](#)

[Chicago Region](#)

## PRIVATE SECTOR

[Atlanta Region](#)

[Denver Region](#)

[Boston Region](#)

[Philadelphia Region](#)

[Chicago Region](#)

[Seattle Region](#)

## ALTERNATIVE FUELS AND VEHICLES

[General Announcements](#)

[Denver Region](#)

[Atlanta Region](#)

[Philadelphia Region](#)

[Boston Region](#)

[Seattle Region](#)

[Chicago Region](#)

[International](#)

## MEETINGS, CONFERENCES AND TRAINING WORKSHOPS

[General Announcements](#)

[Denver Region](#)

[Atlanta Region](#)

[Philadelphia Region](#)

[Boston Region](#)

[Seattle Region](#)

[Chicago Region](#)

## STUDIES, REPORTS, AND ANALYSES

[Alternative Fuels and Vehicles](#)

[Miscellaneous](#)

[Utility-Related Issues](#)

## ATTACHMENTS

[A – New Legislation of Interest to FEMP](#)

[B – Hearings](#)

---

[C – New Technologies](#)

[D – Meetings, Conferences, and Other Events](#)

The **FEMP MONTHLY UPDATE** is prepared expressly for the Department of Energy's Office of Federal Energy Management Programs (FEMP). The purpose of the **UPDATE** is to provide FEMP management staff with timely information on topics relevant to the program. This includes the status of pending Federal and state legislation and summaries of public and private sector energy-related activities. The **FEMP MONTHLY UPDATE** is prepared for FEMP by Energetics, Incorporated, (202) 479-2748.

## **DOE BULLETIN BOARD**

*Short Term Energy Outlook, Energy Information Administration (EIA), March 2003.*

In the most recent analysis, EIA reports that February crude oil prices were higher than projected due to the pending war with Iraq, low inventories, slow recovery in Venezuelan exports, continued cold weather, and significantly higher natural gas price in the United States. West Texas Intermediate prices averaged a price not seen since October 1990 at \$36 a barrel. OECD inventories dropped to an estimated 2,424 million barrels at the end of February.

In the Northeast, heating degree-days were 35 percent higher than last year. Compared to the previous winter season, heating expenditures for fuels have been higher as follows: natural gas by 30 percent, heating oil by 60 percent, propane by 25 percent, and electricity by 11 percent. Natural gas wellhead prices for the winter are projected to average \$4.45 per thousand cubic feet, compared to of \$1.90 (79 percent) from last winter's prices.

On March 20, Secretary Abraham announced that the United States and the International Energy Agency partners are determined to guarantee stability in world oil markets. Currently, the United States holds 599 million barrels of oil in reserve. (Source: Department of Energy press release, March 20, 2003)

[Back to Table of Contents](#)

### **WHAT'S NEW ON THE FEMP WEB SITE**

Information on 2002 award projects for saving energy at Federal facilities, including the call for 2003 Presidential and Federal Energy and Water Management Award Nominations is posted at [www.eere.energy.gov/femp/prodtech/awards.html#call](http://www.eere.energy.gov/femp/prodtech/awards.html#call)

*Assessing the Potential for Renewable Energy on Public Lands*, by the Department of Energy and the Department of Interior's Bureau of Land Management has been posted on the FEMP site at [www.eere.energy.gov/femp/techassist/publiclands.html](http://www.eere.energy.gov/femp/techassist/publiclands.html)

[Back to Table of Contents](#)

## **CONGRESSIONAL ACTIVITIES**

### **STATUS OF PENDING APPROPRIATION BILLS OF INTEREST TO FEMP**

- Refer to [www.eere.energy.gov/femp/resources/initiatives.html](http://www.eere.energy.gov/femp/resources/initiatives.html) – Legislative Databases

### **STATUS OF PENDING AUTHORIZATION BILLS OF INTEREST TO FEMP**

- Refer to [www.eere.energy.gov/femp/resources/initiatives.html](http://www.eere.energy.gov/femp/resources/initiatives.html) – Legislative Databases

### **HOUSE**

***Comprehensive Energy Legislation*** On April 1, the Committee on Energy and Air Quality plans to begin marking up *H.R. \_\_\_ - Energy Policy Act of 2003*.

### **SENATE**

***Comprehensive Energy Legislation*** Beginning April 8, the Committee on Energy and Natural Resources will mark up the Senate's 13- title comprehensive energy bill in a series of possibly six sessions. Key sections of the bill are as follows:

- **Titles V and VI - Renewable Energy and Energy Efficiency** the bill includes no language regarding establishment of a renewable portfolio standard, but does include a provision requiring the Federal Government to purchase power from renewable resources, including 3 percent in FY 2005 – FY 2007, and at least 7.5 percent by FY 2011 and beyond. The bill also extends energy performance contracting in Federal facilities.
- **Title VII - Transportation Fuels** there is not provision to increase the Corporate Average Fuel Economy Standard. Directs operators of Federal fleets to acquire passenger vehicles and light trucks with an increased efficiency of 1 mpg by 2004 and 3 mpg by 2006.

## **DOE BULLETIN BOARD**

The Energy 2003 Workshop and Exposition site has been posted and registration is open! Visit the site at [www.energy2003.ee.doe.gov](http://www.energy2003.ee.doe.gov)

[Back to Table of Contents](#)

### **DID YOU KNOW?**

#### **Interested in real world successes and lessons learned from sustainable building design?**

DOE's High Performance Buildings (HPB) Database provides public access to case study data on more than 40 high performance buildings worldwide. The database, launched in May 2002, serves as a centralized clearinghouse showcasing projects from office buildings to campuses and whole neighborhoods that have incorporated sustainable design principles. Information on facilities appears in a standard format, with details ranging from a basic overview to detailed cost and performance data. As the HPB Database nears its first birthday, it continues to grow in size and scope, developing into a resource DOE hopes will ultimately improve building performance on a broad scale. Search the database at [www.highperformancebuildings.gov/case\\_studies](http://www.highperformancebuildings.gov/case_studies).

[Back to Table of Contents](#)

- Title VIII - Hydrogen authorizes \$100 million per year to support a range of hydrogen research for stationary and mobile systems.
- Title XI - Climate Change creates a White House Office of Climate Change, charged with developing a strategic plan to contain greenhouse gas emissions.

In early March, committee chair, Pete Domenici (R/NM) released his draft of utility restructuring legislation, which proposed establishment of Regional Energy Service Commissions (RESC) to counteract the Federal Energy Regulatory Commission's proposal to establish a standard market design. The RESC proposal generated significant negative comments and as a result, the chairman plans to redraft this section of the bill. Note Chairman's Domenici's remarks provided below.

Today's hearing went beyond just the pros and cons of a Standard Market Design to meaningfully address the appropriate regulatory regimes for electricity. Several witnesses expressed criticism and raised some concerns over the staff's proposal to facilitate the creation of Regional Electricity Service Commissions as a way of addressing long-standing tension between federal regulation

and the regional nature of electricity markets. "I found their comments cogent and insightful. As a result, I have instructed the committee staff to incorporate input from today's hearing into a revised draft of the proposed electricity title."

The bill is also notable for what was not included – provisions dealing with reformulated gasoline and drilling in the Arctic National Wildlife Refuge.

[Back to Table of Contents](#)

### **NEW LEGISLATIVE INITIATIVES OF INTEREST TO FEMP**

- See [Attachment A](#) – New Legislation of Interest to FEMP

[Back to Table of Contents](#)

### **HEARINGS OF INTEREST OF FEMP**

- See [Attachment B](#) – Hearings of Interest to FEMP

[Back to Table of Contents](#)

# **FEDERAL AGENCY**

## **ACTIVITIES**

---

---

### **FEDERAL ENERGY REGULATORY COMMISSION (FERC)**

**In a letter to FERC Chairman, Pat Wood, southeastern utility regulators criticized the proposed standard market design (SMD) as currently laid out by FERC.** In the letter, regulators made the following recommendations regarding SMD:

- State jurisdiction regarding bundled retail services should not be impacted
- State authority for transfer approval of transmission assets should be recognized
- Costs of transmission upgrades should be incurred by the company that creates the need for grid improvements

Regulators are also opposed to an increase in the Federal Government's authority over transmission planning. (Source: *EnergyWashington.com*, February 25, 2003)

[Back to Table of Contents](#)

### **NATIONAL AERONAUTIC AND SPACE ADMINISTRATION (NASA)**

**NASA's Glenn Research Center in Cleveland, Ohio, is seeking a contractor to support the design, development, testing, and fabrication of fuel cell powered 500kW electric power distribution system.** The system will be used to provide propulsive and secondary power in 21<sup>st</sup> century aircraft. The agency is currently constructing test facilities to support this initiative. For additional information, contact Gary Golinski at 216-433-2790 and refer to Solicitation Number 03-C3B-005.

[Back to Table of Contents](#)

### **WHITE HOUSE**

***FY 2003 Emergency Supplemental*** – On March 25, the Office of Management and Budget submitted to Congress the President's FY 2003 Emergency Supplemental Request. Totaling \$74.7 billion, the request supports homeland security, the war on terrorism, and Operation Iraqi Freedom. In a statement released by the Office of Management and Budget for the Administration, the request includes funding for the following activities:

- Defense - \$62.6 billion, which includes
  - \$0.4 billion for increased costs of fuel
  - \$7.8 billion (\$0.2 billion for military construction of facilities in the Middle East, Guantanamo Bay, and housing and facilities for military and civilian personnel of coalition partners supporting the global war on terrorism)

- International Assistance Programs and a new Iraq Relief and Reconstruction Fund \$7.8 billion
- Homeland Security - \$4.2 billion
  - Unspecified funding for
  - increased security at Federal facilities
- Legislative Branch - \$125 million

[Back to Table of Contents](#)

## ATLANTA REGION

### ► *General Energy Conservation/Building Construction/Retrofit Projects*

**The Army is seeking sources to support an Energy Conservation Improvement Project (ECIP) at Redstone Arsenal in Alabama.** The proposed ECIP will include the design, installation, and testing of natural gas fueled electrical generators. In addition, the project will also include the installation of weatherproofed generator enclosures and related work. For more information on Solicitation Number DACA01-03-R-0013, contact Sonya White at 251-690-2535.

[Back to Table of Contents](#)

## BOSTON REGION

*No news of interest to report.*

[Back to Table of Contents](#)

## CHICAGO REGION

*No news of interest to report.*

[Back to Table of Contents](#)

## DENVER REGION

### ► *General Energy Conservation/Building Construction/Retrofit Projects*

**The Army has issued a solicitation to collect energy consumption data for Fort hood in Texas.** The project will involve the collection of measurement and verification data and the update of the site's energy baseline, which is provided in the report, *Baseline Report for Fort Hood Army Base: September 1, 2001 to August 31, 2001*. The original baseline report was prepared for the Army by Texas A&M University Energy Systems Laboratory. For details regarding Solicitation Number DACA42-03-T-0074, contact Diane Biggs at 217-352-6511, extension 7575.

[Back to Table of Contents](#)

### ► *Utility/DSM Activities*

**The Army has awarded a contract for improvements to the natural gas system at Fort Bliss in Texas.** Texas Gas Service has been selected as the service provider. For more information, contact James cotton at 703-767-8135 and refer to Solicitation Number SP0600-01-R-0094.

**The General Services Administration is seeking a provider of renewable power for the Environmental Protection Agency's laboratory in Houston, Texas.** To be eligible for a contract

award, service providers must be certified by the Public Utility Commission of Texas as a Retail Energy Provider. Contact Judy Rat at 817-978-4064 for details on Solicitation Number EPA030620.

[Back to Table of Contents](#)

► *Solar and Renewable Energy Projects*

The General **Services Administration's** Fort Worth, Texas, General Products Acquisition Center has issued a new solicitation for the agency's Core Business Line. **The agency is seeking sources for solar energy systems and energy efficiency lighting products.** For more information on Solicitation Number 7FCI-F8-03-0056-B.FSG62, contact Pam Shelton at 817-978-8385.

[Back to Table of Contents](#)

## PHILADELPHIA REGION

► *Utility/DSM Activities*

**Dover Air force Base in Delaware is seeking support to convert eight family housing units to natural gas.** The project also includes the replacement of forces air furnaces and domestic hot water heaters in each unit. Contact Lauren Boice at 302-677-5027 for additional information on Solicitation Number F07603-03-R-0012.

[Back to Table of Contents](#)

## SEATTLE REGION

► *Utility/DSM Activities*

**The Navy is seeking a supplier of natural gas for Port Hueneme Naval Base in Ventura County, California.** The fixed price contract will support two buildings, PH267 and Field Head. For additional information on Solicitation Number N68711-03-Q-1522, contact Norma Soto-Robles at 805-989-9723.

**The Army is seeking a supplier of electricity for Fort Richardson in Alaska.** A five-year contract (three-year base period and two one-year options) is anticipated to provide 100 percent of the site's electricity requirements. Contact Steve Russell at 907-384-7104 for more information on solicitation Number DABQ303-R-0006.

[Back to Table of Contents](#)

# STATE AND LOCAL GOVERNMENT ACTIVITIES

## ATLANTA REGION

*No news of interest to report.*

[Back to Table of Contents](#)

## BOSTON REGION

► *General State Activities*

**On March 5, the Massachusetts legislature agreed to withdraw \$17 million from the state's "green power" fund to aid in balancing the state's budget.** The trust has amassed over \$160 million during the past five years through a tax on electric bills. Massachusetts Governor Mitt Romney (R) is expected



to approve the diversion of funds, given a commitment from the state that it spend an equivalent amount on renewable purchases over the next ten years. Christopher Anderson, President of the Massachusetts High-Tech Council, said this diversion in funds "may be just the tip of the iceberg... [the fund has] over \$160 million, and it's an obvious target when the cash is just sitting there." (Source: *Boston Globe*, March 17, 2003)

**A bill to create a renewable portfolio standard in the State of Vermont is circulating through the House.** *H. 248* would require that the Department of Public Service and Department of Economic Development design a program for residential and commercial renewable fuels use. A report assessing program results would be presented to the legislature by January 30, 2004, to assist in determining whether or not to continue the program. (Source: *Power Daily North America*, March 13, 2003)

[Back to Table of Contents](#)

## CHICAGO REGION

*No news of interest to report.*

[Back to Table of Contents](#)

## DENVER REGION

### ► General State Activities

**The State of Nevada recently approved six renewable energy contracts, the first projects authorized as sanctioned under renewable energy law, passed in 2001.** The law directs utilities to purchase an increasing amount of electricity derived from renewable energy sources. The contracts enlist Nevada Power to purchase electricity at a price of 4.2 cents to 5.2 cents per kWh for the next two years. The contracts cover power generated from wind and geothermal energy, which are expected to produce a total of 227 MW. Governor Kenny Guinn (R) said, "These contracts are an important step in carrying out that policy by providing electricity to Nevadans from renewable energy sources for the next 20 years at stable and reasonable rates." (Source: *Las Vegas Review-Journal*, March 7, 2003)

**The State of Colorado's Senate Committee on Business Affairs and Labor defeated Renewable Energy Standard legislation, *HB 1295*, which was supported by a diverse range of state constituencies, including Xcel Energy; county commissions; and groups within the agriculture, banking, and building sectors.** *HB 1295* includes provisions to develop a web-based resource center wherein landowners could meet and discuss development of wind resources as well as authorizing studies on the economic development and potential for renewable energy sources. The bill also directs the state to require energy suppliers to derive 500 MW of green power by 2006, 900 MW by 2010, and 1,800 MW by 2020; green power purchases would be capped at 4.5 cents kWh. (Source: *Refocus Weekly*, March 19, 2003)

**The Greater Flagstaff Economic Council, the Greater Flagstaff Forests Partnership, and the Arizona Public Service (APS) met to discuss a plan to construct a 3 MW biomass powerplant near Flagstaff, Arizona, during the next two years.** The proposed powerplant would generate power from pine trees brought from nearby forests where rangers have launched restoration and thinning projects to control wildfires. The biomass plants would help APS satisfy the environmental portfolio standard set by the state that requires 1.1 percent of retail energy sold by the utility by 2007, to be from solar and other renewable sources. (Source: *The Arizona Daily Star* (Tucson), March 17, 2003)

**The New Mexico Senate passed a Senate Joint Memorial asking the Public Regulation Commission (PRC) to suspend a rule enacted last year requiring utilities to generate 10 percent of their power from renewable energy by 2011.** The legislature may appoint a committee to assess the best method of developing renewable energy and determining whether or not renewable energy use is recommended. In a poll conducted by the Coalition for Clean Affordable Energy, 88 percent of respondents indicated a



preference for new power plants to use less power than existing plants. The survey also revealed consumer support for legislation that requires utilities to incorporate water-saving technologies in their plants. Senator Dede Feldman (D) said, "The ruling that the PRC made recently on renewable-energy standards has very widespread public support... I know that a lot of the utilities don't like this standard. They consider it to be too aggressive...I say that we need to be aggressive when it comes to renewable energies in this state." (Source: *The Santa Fe New Mexican*, March 3, 2003)

**The Oklahoma Senate recently defeated a bill to establish a renewable portfolio standard (RPS), however the House has introduced a similar bill.** Mike Bergey, President of the Oklahoma Energy Foundation said utilities fear such a measure could result in an increase in electricity ; this concern led to the defeat of the Senate bill.. (Source: *Tulsa World*, March 11, 2003)

#### ► *Status of Utility-Related Activities*

**Three of Oklahoma's largest electric companies are adding wind-generated electricity to their energy portfolios.** Western Farmers Electric Cooperative, Oklahoma Gas and Electric Company, and Oklahoma Municipal Power Authority will purchase electricity from 50-megawatt wind farms, paying approximately 4 to 6 cents per kWh. Utilities in the state have expressed concern that while wind turbines are churning at capacity during the spring, peak demand occurs over late summer, when wind is not as prevalent. During late summer, wind energy can offer a way for utilities to relieve costs by using backup generation from wind. Analysts suggest that the success of the initial wind turbines will determine the future of wind generation in Oklahoma. Harold Hale, Director of Legislative and Regulatory Affairs for the Oklahoma Association of Electric Cooperatives has said that in the future, wind power will be a good source of revenue for landowners, and that wind farms will begin to provide power for rural electric cooperatives statewide. (Source: [www.newsok.com](http://www.newsok.com), March 10, 2003)

[Back to Table of Contents](#)

### PHILADELPHIA REGION

#### ► *General State Activities*

**The Pennsylvania Public Utility Commission announced PECO Energy's new alternative electricity suppliers and applauded their commitment to strengthening Electric Choice in Philadelphia.** The Market Share Threshold plan, adopted by the PUC, requires that PECO assign half of the company's commercial customers to alternative energy suppliers if 50 percent of PECO's customers have not switched by January 1. New suppliers include Commonwealth Energy/Electric America; It's Electric and Gas; and US Power & Gas. Approximately 50 percent of PECO's customers will be serviced by alternative generation suppliers, and each will receive a rate 1.25 percent below PECO's standard rate. The Commission is considering implementing a similar plan for residential customers. (Source: *PR Newswire*, February 27, 2003)

**Radnor Township in Pennsylvania, plans to acquire electricity produced primarily from wind power. The decision was based on the fact that the price of wind-generated power is low enough to be affordable.** The township has locked in a fixed rate for the wind-generated power, which will be purchased from Mountaineer Wind Energy Center. "Two years ago we looked at it and it was significantly more. [The cost] came down significantly from two years ago and we felt it was something we should do," said Enrique Hervada, a township commissioner and Finance and Audit Committee chairman. The American Society of Mechanical Engineers reports that by 2010, wind turbines could become one of the "mainstream sources" of electrical generation. Other cities that have purchased wind power include Seattle, Washington; Los Angeles, California; and Austin, Texas. Universities in Pennsylvania – Drexel, Penn State, and Carnegie Mellon, among other large commercial users have contracted for wind energy from 16 turbines located in western Pennsylvania. (Source: *The Charleston Gazette*, March 11, 2003)

► *Status of Utility-Related Activities*

**The Maryland legislature is discussing a bill that would require utilities to procure 0.5 percent of their electricity from renewable resources by 2006, and gradually increasing this percentage to 7.5 percent by 2013.** *HB 370* establishes credits for utilities that offer renewable energy-generated electricity earlier than the required dates. Renewable energy sources specified in the bill include geothermal, ocean, solar, wind, biomass, and methane. (Source: *Cumberland Times News*, February 13, 2003; *WAPA's Green Power & Market Research News*, February 24, 2003)

[Back to Table of Contents](#)

## SEATTLE REGION

► *General State Activities*

**The City of San Diego, California, has contracted with Onsite Energy for a \$3.6 million installation of solar PV panels and cogeneration system at police headquarters.** Total electricity consumption is expected to be reduced by 60 percent. The solar panels will generate 45,000 kWh per year and will result in \$718,000 in incentive payments through utility and state programs. The project is also expected to save \$1.8 million over the next 15 years of operation, and reduce expenditures for electricity and natural gas by \$8.4 million during the period of financing. Specific energy efficiency projects will include upgrades to lighting and HVAC systems, new control systems, and the application of solar control film to windows to minimize temperature variance. (Source: *Refocus Weekly*, March 19, 2003)

**On March 14, the City of Los Angeles, California, announced the opening of a small power plant utilizing fuel cell technology.** The project is projected to provide enough power to serve 250 homes. (Source: *Los Angeles Times*, March 15, 2003).

► *Status of Utility-Related Activities*

**An investigation of price manipulation and antitrust violations during the energy crisis of 2000-2001 has resulted in refunds to electric customers in the State of Oregon.** Eight million dollars in funding is to be distributed to residential and business customers; low-income utility assistance and energy conservation programs will receive \$6.1 million. Oregon public schools will receive \$1 million and are being earmarked for energy conservation programs to upgrade educational facilities. Thirty-nine investor-owned and public utilities in the state will receive the funds, which will be disbursed by the Oregon Public Utility Commission; customers will receive funding in the form of a credit on utility bills. (Source: *The Oregonian* (Portland, Oregon), March 14, 2003)

[Back to Table of Contents](#)

## UTILITIES AND SUPPLIER ACTIVITIES

### GENERAL ANNOUNCEMENTS

**In a State of the Market report, released on March 5, PJM Interconnection announced that “overall the wholesale electricity markets operated by PJM were competitive in 2002.”** The report revealed that energy prices, on average, were lower in 2002 than in 2001; potential threats to competition in the energy, capacity, regulation, and spinning markets require ongoing scrutiny; and market power remains a serious concern given the extreme inelasticity of demand and high levels of concentration in capacity credit markets. The report's authors recommend that key market rules be retained, but enhanced, in order for continued, positive results in the market. Recommendations include:

- Evaluation of additional actions to increase demand-side responsiveness to price in both energy and capacity markets and actions to address institutional issues, which may inhibit the evolution of demand-side price response;
- Development of an approach to identify areas where transmission expansion investments would relieve congestion where that congestion may enhance generator market power and where such investments are needed to support competition;
- Continued enhancements to the capacity market to stimulate competition, adoption of a single capacity market design, and incorporation of explicit market power mitigation rules to limit the ability to exercise market power in the capacity market;
- Retention of the \$1,000 per MWh offer cap in the PJM energy market and other rules that limit the incentives to exercise market power;
- Authority to require the provision of fuel-cost data in order to permit the enforcement of PJM's local market power mitigation rules.

(Source: *PJM Press Release*, March 5, 2003)

[Back to Table of Contents](#)

## ATLANTA REGION

### ► *Restructuring Activities*

**The Kentucky Public Service Commission has approved three new power plants designed to capture methane gas emitted from landfills and convert the gas to electricity.** The East Kentucky Power Cooperative plans to place the plants in operation by this fall, anticipating the generation of approximately 10 MW of power. The \$4 million plant construction program will provide renewable energy that will be sold to customers in the form of EnviroWatts at a premium of \$2.75 per month per 100 kilowatt block. The project is one of 340 landfill gas-to-electric projects in operation in the United States; there are 6,000 landfills in the nation. The Environmental Protection Agency claims that at least 500 more landfills could serve the same renewables purpose. (Source: *Environment News Service*, March 18, 2003)

[Back to Table of Contents](#)

## BOSTON REGION

### ► *Restructuring Activities*

**Plug Power, Inc. will sell 45 fuel cells to the Long Island Power Authority (LIPA) to help the state reach its goal of incorporating 25 percent alternative energy into the states energy portfolio within ten years.** The fuel cells will be installed at LIPA's Babylon fuel cell demonstration site and at 20 residential sites. (Source: *Electrical Construction & Maintenance*, March 5, 2003)

**The United Illuminating Company (UI) has created a program called the Community Energy Initiative that allows residential and business consumers to save money by installing efficient light bulbs, receiving free energy audits, and providing zero financing for energy conservation equipment.** In addnouncing the program, Thomas Turco of UI said, "We work with the towns so that the people will recognize the important role of energy conservation." The City of Hamden, Connecticut, has saved \$1.4 million through the project. The company asked consumers to upgrade and replace faulty and outdated equipment with more energy-efficient installations. The end result was an energy savings that equaled the removal of 1,850 cars or the planting of 3,844 acres of trees. (Source: *Connecticut Post*, Bridgeport, March 8, 2003)

**Maine Interfaith Power & Light's launch of two renewable power programs has proven successful in the first month of operation.** Within one month, customers ordered more than 275,000 kWh of green tags from the Bonneville Environmental Foundation and more than 300 standard offer accounts switched to the Green Supply program offered through from Maine Renewable Energy. (Sources: *Portland Press Herald*, February 26, 2003; [www.meipl.org](http://www.meipl.org).)

**UPC Wind may build a dozen wind turbines in Plymouth, Massachusetts, if the company finds the area amenable to wind-powered generation.** The site would be the fourth turbine installed near the Town of Plymouth. (Source: *The Patriot Ledger* (Quincy, Massachusetts), March 8, 2003)

[Back to Table of Contents](#)

## CHICAGO REGION

### ► Restructuring Activities

**A legal settlement over ComEd's mismanagement of distribution expenses may result in the company's forced contribution of \$40 million toward energy efficiency projects in the City of Chicago.** The Citizens Utility Board (CUB) will allocate funds for initiatives such as a residential refrigerator recycling program, an efficient air conditioner swapping program, and discounts for compact fluorescent light bulbs. Funds will also be used to support energy efficiency programs in commercial, governmental, and institutional facilities. Martin Cohen, CUB Executive Director said, "This agreement means an investment in programs that will benefit consumers, by saving money on electric bills, and benefit the state by lowering electric demand... an agreement of this kind is the only way to achieve these benefits." Additionally, ComEd will provide \$1 million to fund a study to examine how consumers can be protected from price increases when the electric rate freeze ends in 2007. (Source: *PR Newswire*, March 6, 2003)

[Back to Table of Contents](#)

## DENVER REGION

### ► Restructuring Activities

**Tucson Electric Power Company's subsidiary, Global Solar, will provide ICP Global Technology with 1,000 photovoltaic modules each month. The resulting power will be used to charge marine, auto, and recreational vehicle batteries.** Over the next few years, Global Solar will increase the production of solar cells to 7.5 MW, up from 2.3 MW currently in production now. Products using the PV modules will eventually be sold to stores such as Wal-Mart and AutoZone (Source: *The Arizona Daily Star*, Tucson, March 5, 2003)

[Back to Table of Contents](#)

## PHILADELPHIA REGION

### ► Restructuring Activities

**The State of Ohio is close to securing a contract with Caterpillar and FuelCell Energy, Inc. to install a utility-scale 250 kW Direct FuelCell power plant. The new system will supply power from a substation into a local electric distribution system.** The state has invested more than \$100 million in a multi-year initiative to conduct fuel cell research. Sherril West, a Vice President at Caterpillar said, "We are very pleased to be a part of this historic step to demonstrate the viability of fuel cell technology in a local electric distribution system... We applaud Governor Taft and the state of Ohio for their leadership in accelerating deployment of stationary fuel cells." Jerry D. Leitman, of FuelCell Energy, Inc. said, "Because our DFC power plants are designed to generate hydrogen internally, we can deliver this

power plant today without waiting for development of a hydrogen supply infrastructure." (Source: *PR Newswire*, February 27, 2003)

[Back to Table of Contents](#)

## SEATTLE REGION

### ► *Restructuring Activities*

**Lack of space to build new wind farms in the San Geronio Pass near Palm Springs, California, has threatened the advancement of the windmill industry in the area.** Rather than building new turbines, wind power owners are now replacing older machines with newer ones, a practice known as repowering. Once hosting almost 4,000 small wind turbines, the San Geronio Pass is now comprised of 300 foot turbines that can harness power equivalent to 15 of the smaller turbines that once existed. Despite the prevalence of bigger, more efficient turbines in the area and other parts of California, the state "is no longer the hotbed" for wind energy that it was in the 1980's when the wind industry began, according to John White, Director of the Center for Energy Efficiency and Renewable Technologies in Sacramento. He said, "Texas and some states in the upper Midwest are passing us by." (Source: *The Press-Enterprise* (Riverside, California), March 16, 2003)

**Calpine has contracted with Southern California Edison for the sale of 200 MW of geothermal power for a minimum of five years.** The power, which could serve the energy needs for 200,000 homes, will be generated from the Geysers, a large system of geothermal projects in California. (Source: *Reuters*, March 17, 2003)

[Back to Table of Contents](#)

# PRIVATE SECTOR

## ATLANTA REGION

*No news of interest to report.*

[Back to Table of Contents](#)

## BOSTON REGION

**Shea's Performing Arts Center in Buffalo, New York, has replaced all 2,112 11-watt conventional bulbs on its Main Street marquee and 890 lamps on its Pearl Street marquee with new high-efficiency light-emitting diodes.** The switch is estimated to save \$20,000 a year in electricity. New York State Energy Research and Development Authority and Erie County provided \$130,000 in funding to support the project. (Source: *The Buffalo News*, March 13, 2003)

**East Neck Nursing Center in New York, is a 300-bed facility that plans to offset the center's summer demand of 350 kW with a co-generation facility that produces 120kW.** Depending on the technology, data reveals that on-site generation can cost between \$800 per kW to \$5,000 per kW to install, compared to \$500 per kW to install a modern natural gas-fired combined cycle. The data also suggests that, there is less than one percent chance of failure over 20 years with a co-generation unit. (Source: *UtiliPoint International*, March 19, 2003)

[Back to Table of Contents](#)

## CHICAGO REGION

*No news of interest to report.*

[Back to Table of Contents](#)

## DENVER REGION

**P&M Plastics and its sister company, P&M Signs, are introducing to Torrance County, New Mexico, a \$30 million plant to convert biomass into Ecalene.** The P&M and Power Energy Fuels, Inc. joint venture anticipates completion of the plant by the end of March; plant operations are expected to begin in approximately one year. The resulting biomass may be produced in the form of forest slash by the U.S. Forest Service. Power Energy Fuels patented Ecalene, a product similar to ethanol, along with a conversion system and the Power Energy System, which is equipment to convert forest waste into Ecalene. (Source: *Albuquerque Journal*, March 6, 2003)

**The Long Island Power Authority (LIPA) will purchase 45 Plug Power fuel cells for installation across Long Island.** Twenty-five Gensys™5CS, the five-kW fuel cell systems, will be installed at LIPA's West Babylon Fuel Cell Demonstration Site, which is connected to the Long Island grid. The remaining 20 systems will generate heat and power for residential sites in LIPA's service area. (Source: *Clean Edge News*, March 4, 2003)

**Port of Beaumont commissioners have approved a tax abatement proposal for ExxonMobil Corporations' Beaumont, Texas, refinery. The project will involve the construction of an electrical co-generation plant capable of generating 650 MW and will provide 300 MW to the wholesale market.** If the plant is built, the port will forego taxes totaling about \$112,000 for the next ten years. (Source: *The Beaumont Enterprise*, March 18, 2003)

[Back to Table of Contents](#)

## PHILADELPHIA REGION

**The Tower Companies, a commercial and residential building developer in Bethesda, Maryland, has purchased 24 million kW hours of green power for 13 of its largest office and apartment buildings in the Washington Metropolitan Area.** Pepco Energy Services, through Sterling Planet's renewable energy certification program, will provide 2,100 homes with green power. Biomass, certified under the green e-program, will contribute from 25 to 50 percent of the green power. Green Power Market Development Group, a partnership between World Resources Institute and 12 American companies, assisted the Tower Companies. (Source: *Refocus Weekly*, March 19, 2003)

[Back to Table of Contents](#)

## SEATTLE REGION

**Hopi tribesmen, Doran Dalton and Kevin Begay of NativeSUN Solar, installed two 1.44 kW solar panels that move with the sun on the Grand Canyon Trust's office Highway 180.** Arizona Public Service provided \$2,880 of the funds necessary to install the system. The subsidy program was made possible by electric power rate payers through a surcharge on electric bills and a system-benefit exchange program. The entire system cost \$15,000. (Source: *Environmental News Service*, March 17, 2002)

**In Monterey County, California, 1,000 solar panels have been installed on Salinas Valley Memorial Hospital with financial incentives from the State of California and a rebate from Pacific Gas & Electric's Self-Generation Program.** Bizquests of Aptos, California, and Princeton Energy Systems of Philadelphia, developed the 150 kW photo-voltaic system, using panels from Shell Solar. The installation over a parking lot was performed by Solar Works. (Source: *Refocus Weekly*, March 19, 2003)



**A 250-kW fuel cell system by FuelCell Energy, Inc. was installed in Los Angeles, California.** The largest fuel cell system in North America was installed in the downtown headquarters of the Los Angeles Department of Power and Water. A second 250-kW fuel cell power plant is being built at Terminal Island in San Pedro. This plant will be fueled with digester gas from a nearby wastewater treatment plant. (Source: *EERE Network News*, March 19, 2003)

[Back to Table of Contents](#)

## **ALTERNATIVE FUELS AND VEHICLES**

### **GENERAL ANNOUNCEMENTS**

**Toyota has announced plans to introduce the company's newest models of hybrid vehicles.** This will include models of the Prius, Highlander, and Lexus RX-300 SUV. (Source: *CALSTART News Notes*, March 13, 2003)

### **DEPARTMENT OF ENERGY**

On March 4, the Department of Energy announced in the Federal Register, the agency's determination regarding private and local government alternative fuel fleet requirements. DOE states,

the Department of Energy proposes to determine that a regulatory requirement for the owners and operators of certain private and local government fleets to acquire alternative fueled vehicles is not 'necessary' and thus cannot and should not be promulgated, because such a program would result in no appreciable increase in the percentage of alternative fuel and replacement fuel used by motor vehicles in the United States and thus would not appreciably contribute to the achievement of the replacement fuel goal.

The goal was established by section 502(b) (2) of the *Energy Policy Act of 1992*. To review the determination, visit the Federal Register web site at [www.access.gpo.gov/su\\_docs/fedreg/frcont03](http://www.access.gpo.gov/su_docs/fedreg/frcont03).

[Back to Table of Contents](#)

### **ATLANTA REGION**

*No news of interest to report.*

[Back to Table of Contents](#)

### **BOSTON REGION**

*No news of interest to report.*

[Back to Table of Contents](#)



## CHICAGO REGION

### ► *Infrastructure Activities*

**Fort Leonard Wood Army Base in Missouri recently became the first military base of its kind to provide more than one type of alternative fuel for its fleet.** Fort Wood now offers both E85 and B20 fuel. (Source: Clean Cities – What’s New, March 2003)

[Back to Table of Contents](#)

## DENVER REGION

*No news of interest to report.*

[Back to Table of Contents](#)

## PHILADELPHIA REGION

### ► *Infrastructure Activities*

**General Motors Corporation and Shell Hydrogen are partnering to bring six hydrogen fuel-cell vehicles and a hydrogen refueling station to Washington, D.C. by October, 2003.** The purpose of the new station is to simultaneously integrate a fleet of hydrogen-powered vehicles with a supporting infrastructure in the Washington Metropolitan Area. The partnership will provide policy makers and the general public with exposure to the new technology. (Source: *Greenwire*, March 5, 2003)

[Back to Table of Contents](#)

## SEATTLE REGION

### ► *AFV Fleet Acquisitions*

**Los Angeles County Metropolitan Transportation Authority will purchase the first 200 high-capacity, articulated buses fueled with clean-burning natural gas.** The buses, which will begin arriving in 2005, have 50 percent greater passenger capacity relative to conventional buses. (Source: *CALSTART News Notes*, March 3, 2003)

[Back to Table of Contents](#)

## INTERNATIONAL

### ► *Infrastructure Activities*

**Shell and Norsk Hydro plan to unveil the world’s first public hydrogen fueling station on April 24, 2003, in Reykjavik, Iceland.** (Source: *EERE Network News*, March 12, 2003)

[Back to Table of Contents](#)

# **MEETINGS, CONFERENCES, AND TRAINING WORKSHOPS**

- Refer to [Attachment C](#) – New Technologies
- Refer to [Attachment D](#) – Calendar of Upcoming Events.

## **GENERAL ANNOUNCEMENTS**

**The Association of Energy Engineers offers online and distance-learning seminars.** Upcoming courses include “Fundamentals of Indoor Air Quality” on April 25 and “Energy System Integration” on April 28. For more information, go to [www.aeecenter.org/training](http://www.aeecenter.org/training) or [www.aeecenter.org/realtime](http://www.aeecenter.org/realtime).

**Solar Energy International presents workshops on a variety of subjects throughout the year in ten states, the U.S. Virgin Islands, and on line.** Topics include solar electricity, solar home design, wind energy, micro-hydro, and alternative fuels. For more information, including workshop dates, locations, and registration, visit [www.solarenergy.org/workshop.html](http://www.solarenergy.org/workshop.html).

**The U.S. Green Building Council presents LEED™ Introductory, Intermediate and Advanced Training Workshops regularly across the country.** For more information and specific dates and locations, visit [www.usgbc.org/Events/events\\_training\\_calendar.asp](http://www.usgbc.org/Events/events_training_calendar.asp)

[Back to Table of Contents](#)

## **ATLANTA REGION**

**The Sustainable Buildings Industry Council presents High Performance School Buildings Workshop on April 30 in Georgetown, Kentucky.** For more information, visit [www.sbicouncil.org/home](http://www.sbicouncil.org/home).

**The National Park Service is presenting the Environmental Leadership Workshop on May 20-23 in Mammoth Cave, Kentucky.** Federal, state, and local government officials, private business owners, vendors, contractors, and concessionaires are invited to attend. For more information, see [www.rebuild.org/events/eventdetails.asp?NewsID=1594](http://www.rebuild.org/events/eventdetails.asp?NewsID=1594).

**The U.S. Department of Energy presents the 2003 National Workshop on State Building Energy Codes on June 23-26 in Atlanta, Georgia.** Exhibits, plenary sessions, trainings, and tours allow conferees to learn about a variety of energy codes and standards-related topics. Find more information and register at [www.energycodes.gov/news/2003\\_workshop/index.stm](http://www.energycodes.gov/news/2003_workshop/index.stm)

[Back to Table of Contents](#)

## **BOSTON REGION**

**The Center for Economic and Environmental Partnership, Inc. is sponsoring New Roofs for a New Century on April 7-8 in New York, New York.** The conference focuses on roofs as platforms for sustainability in the built environment. For more information and to register, see [www.ebanys.org/Events/2003/2003nrnc/0708Apr03NRNCagenda.htm](http://www.ebanys.org/Events/2003/2003nrnc/0708Apr03NRNCagenda.htm).

**The University of Massachusetts hosts Innovations in Wood Construction on May 9 in Mashantucket, Connecticut.** The meeting will include a focus on wood’s role in green buildings. Learn more at [www.umass.edu/bmatwt/events/fpsne2003.html](http://www.umass.edu/bmatwt/events/fpsne2003.html).

**The New York State Energy Research & Development Authority and the U.S. Department of Energy are sponsoring Multifamily Buildings 2003: Healthy, Durable, Energy Efficient on June 9-11 in New York, New York.** The conference features forums in which invited speakers will engage in discussions to shape policy and guide field activities related to efficient multifamily housing buildings. For further information, visit [www.affordablecomfort.org/html/03\\_Multifamily.html](http://www.affordablecomfort.org/html/03_Multifamily.html).

**Energy Seminars, Inc. is holding a seminar entitled, “Electricity 101: The Essential Seminar on Power Market Restructuring” on June 23-24 in Boston, Massachusetts.** The seminar will instruct participants on how electricity is produced, moved, and used; the basics of electricity transmission; and the benefits and costs of FERC’s effort to standardize markets. For more information, visit [www.energyseminars.com](http://www.energyseminars.com)

[Back to Table of Contents](#)

## **CHICAGO REGION**

**The Construction Specifications Institute presents the CSI Show™ on April 9-11 in Chicago, Illinois.** Product information booths and continuing education sessions concerning the built environment will be available to conference goers. For further information, visit [www.thecsishow.com/thecsishow/index.htm](http://www.thecsishow.com/thecsishow/index.htm).

**Minnesota Department of Natural Resources, in conjunction with several other groups, presents Minnesota Living Green Expo on April 11-13 in St. Paul, Minnesota.** Workshops, technology demonstrations, and displays of available environmentally friendly products introduce participants to “living green.” For more information, see [www.livinggreenexpo.org/index.htm](http://www.livinggreenexpo.org/index.htm).

**The Center for Resource Solutions is hosting the Wisconsin Green Power Workshop on May 13 in Milwaukee, Wisconsin.** Leaders of businesses and institutions are invited to learn about renewable energy options. For more information and to register, visit [www.resource-solutions.org/GP/WI/reg.htm](http://www.resource-solutions.org/GP/WI/reg.htm).

**Green Roofs for Healthy Cities and the City of Chicago are hosting Greening Rooftops for Sustainable Communities on May 29-30 in Chicago, Illinois.** The conference will provide training, presentations, and networking opportunities to learn more about the green roof industry. For more information and to register, visit [www.greenroofs.ca/grhcc/conference.htm](http://www.greenroofs.ca/grhcc/conference.htm).

**The U.S. Department of Energy’s Federal Energy Management Program presents Design Strategies for Low-Energy, Sustainable, Secure Buildings on June 18-19 in Chicago, Illinois.** This interactive course covers the fundamentals of integrative, whole building design. For more information, visit [www.sbicouncil.org/workshops/index.html#fedMgrs](http://www.sbicouncil.org/workshops/index.html#fedMgrs).

**Ball State University presents Greening of the Campus V: Connecting to Place on September 18-20 in Muncie, Indiana.** The event will focus on greening campus environments. For more information, go to [www.bsu.edu/greening](http://www.bsu.edu/greening).

**The Energy and Environmental Building Association present the 2003 Excellence in Building Conference & Exposition on October 15-18 in Chicago, Illinois.** The conference will explore best building practices. For more information, see [www.eeba.org/conference](http://www.eeba.org/conference).

[Back to Table of Contents](#)

## **DENVER REGION**

**The International Making Cities Livable Council presents the 36th International Conference on Making Cities Livable on April 13-17 in Santa Fe, New Mexico.** All those involved in planning a city – from architects and city officials to community leaders and artists are invited to exchange ideas. For more information and to register, please visit [www.livablecities.org/SantaFe.html](http://www.livablecities.org/SantaFe.html).

**The Council of Energy Resource Tribes presents the National Tribal Sustainability Conference on April 15-16 in Santa Ana Pueblo, New Mexico.** The conference brings together Tribes, government, and private industry. More information and registration can be found at [www.sustainable.doe.gov/cgi-bin/event/calendar.cgi](http://www.sustainable.doe.gov/cgi-bin/event/calendar.cgi).

**The U.S. Department of Energy and the Iowa Department of Natural Resources are hosting a photovoltaic training workshop on April 29-30 in Kansas City, Missouri.** The workshop targets architects, engineers, utility personnel, and energy managers, focusing on expanding their knowledge and understanding of photovoltaic systems. To learn more and register, visit [www.dnr.state.mo.us/oac/PVBrochure-March.pdf](http://www.dnr.state.mo.us/oac/PVBrochure-March.pdf).

**University of Colorado presents Leaders of Sustainability in an Urban Environment Sustainability Expo on May 2 in Denver, Colorado.** Panel discussions, lectures, product and art/invention displays will educate attendees about sustainability. For more information and to register, visit [www.cudenver.edu/csl/expo.htm](http://www.cudenver.edu/csl/expo.htm).

**Sustainable Dallas presents its Annual Conference on May 9-10 in Dallas, Texas.** The event will engage representatives from business, government, education, and the nonprofit sector to work towards a more sustainable city and profiting. For more information, see [www.sustainabledallas.org](http://www.sustainabledallas.org).

**The National Association of College Auxiliary Services and the Society for College and University Planning is sponsoring Green Design: Ideas to Inspire Environmentally Responsible Facilities Construction on May 29-31 in Boulder, Colorado.** Participants will explore green design, particularly as it relates to campus facilities. For more information and to register, visit [www.nacas.org/prodev/GREEN](http://www.nacas.org/prodev/GREEN).

**Headwaters Cooperative Recycling Partnership and Ethanol Producers and Consumers are hosting Under the Big Sky Greening Conference on June 11-13 in Big Sky, Montana.** The meeting will focus on greening Yellowstone National Park and the surrounding region. For more information and to register, go to [peakstoprairies.org/greening](http://peakstoprairies.org/greening).

**The American Solar Energy Society presents Solar 2003: America's Secure Energy on June 21-26 in Austin, Texas.** The event will have a strong technical component and will focus on U.S. energy independence. For further information, visit [www.ases.org/2003\\_conference/2003home.html](http://www.ases.org/2003_conference/2003home.html)

**Firewise Communities is sponsoring the Building for Greener Communities National Conference on September 29-October 1 in Nebraska City, Nebraska.** The conference will focus on building with trees and developing while preserving existing trees. For more information, visit [www.arborday.org/programs/conferencelist.html](http://www.arborday.org/programs/conferencelist.html).

[Back to Table of Contents](#)

## **PHILADELPHIA REGION**

**The Energy Information Administration is co-hosting the Summer Transportation Fuels Outlook Conference on April 8 in Washington, DC.** For an agenda and to register, visit [www.naseo.org/summer/agenda.htm](http://www.naseo.org/summer/agenda.htm).

**The National Building Museum presents Greening the Workplace and Beyond on April 8 in Washington, DC** This one-hour lecture will focus on the holistic and inclusive nature of creating a sustainable workplace. Find more information at [www.nbm.org/Events/Calendar/greening](http://www.nbm.org/Events/Calendar/greening).

**The Biomass Research and Development Technical Advisory Committee is holding a public meeting on April 10 in Arlington, Virginia.** The meeting will provide advice and guidance to promotes

research and development leading to the production of biobased industrial products. For further information contact John Ferrell at 202-586-7766.

**The University of Maryland and the National Wildlife Federation are sponsoring Beyond Compliance: Campus Greening Through Stewardship Conference on April 11-13 in College Park, Maryland.** For more information and to register, visit [www.inform.umd.edu/CampusInfo/Departments/EnvirSafety/general/greening/day.html](http://www.inform.umd.edu/CampusInfo/Departments/EnvirSafety/general/greening/day.html).

**The U.S. Environmental Protection Agency and U.S. Department of Energy are sponsoring the 2003 ENERGY STAR® Awards Ceremony on April 15 in Washington, DC** The awards recognize companies that have made outstanding contributions to environmental protection. For more information and to register, please visit [www.energystar.gov/index.cfm?c=pt\\_awards.pt\\_es\\_awards](http://www.energystar.gov/index.cfm?c=pt_awards.pt_es_awards).

**Temple University Ambler presents Ecological, Economic, Cultural, and Intellectual Implications of Sustainability on April 22 in Ambler, Pennsylvania.** The event will highlight diverse views of sustainability. For more information, visit [www.csc.temple.edu/sustainconf.htm](http://www.csc.temple.edu/sustainconf.htm).

**Energy Seminars, Inc. is holding a seminar entitled, "Electricity 101: The Essential Seminar on Power Market Restructuring" on April 24-25 in Baltimore, Maryland.** The seminar will instruct participants on how electricity is produced, moved, and used; the basics of electricity transmission; and the benefits and costs of FERC's effort to standardize markets. For more information, visit [www.energyseminars.com](http://www.energyseminars.com)

**The Delaware Green Building Council presents Building the Town Green Conference and Trade Show on May 1-3 in Philadelphia, Pennsylvania.** Professionals and the general public are invited to learn about green building principles and practices, based upon the LEED™ Green Building Ratings Systems principles for new and existing buildings with an additional focus on renewable energy. The trade show will showcase a wide range of commercially available, sustainable products and services. For more information, visit [www.dvgbc.org](http://www.dvgbc.org).

**PennFuture is sponsoring the Third Annual Green Power: Turn It On! Getting to 10% Conference sponsors on May 8 in Harrisburg, Pennsylvania.** For more information, visit [www.pennfuture.org](http://www.pennfuture.org).

**ABS Consulting is offering Real-World Sustainable Solutions for EH&S Specialists Course on May 8-9 in Washington, DC.** For more information and to register, please see [www.govinst.com/Merchant2/merchant.mv?Screen=PROD&Store\\_Code=ACS&Product\\_Code=2359](http://www.govinst.com/Merchant2/merchant.mv?Screen=PROD&Store_Code=ACS&Product_Code=2359).

**The Northeast Sustainable Energy Association presents 2003 Tour de Sol: The Great American Green Transportation Festival on May 10-14 in Burlington County and Trenton, New Jersey; Philadelphia, Pennsylvania; and Washington DC.** The festival allows attendees to learn first hand about the latest sustainable transportation options. For more information, visit [www.nesea.org/transportation/tour](http://www.nesea.org/transportation/tour).

**The New Jersey Clean Energy Program is sponsoring the 2003 Mid-Atlantic Sustainability Conference on June 4-7 in Trenton, New Jersey.** The forum will address green building, clean energy, sustainable business, public policy, and other areas. For more information, please visit [www.nesea.org/buildings/be/midatlantic2003](http://www.nesea.org/buildings/be/midatlantic2003).

[Back to Table of Contents](#)

## SEATTLE REGION

**The University of Oregon presents the HOPES 2003 Eco Design Arts Conference: Ecological Urbanism on April 11-13 in Eugene, Oregon.** The event seeks to normalize ecological planning and

bring the process into the urban mainstream. For more information and to register, go to [edc.uoregon.edu/conferences/index.html](http://edc.uoregon.edu/conferences/index.html).

**PlaceMatters.com and other groups present Tools for Community Design and Decision Making Working Session V: Information Technology in Action on April 24-26 in San Francisco, California.** The conference will explore how the application of new planning tools can improve local decision-making when used to address growth and development issues. For more information and to register, visit [www.placematters.com/email/TCDDM\\_Announce.html](http://www.placematters.com/email/TCDDM_Announce.html).

**Washington State University, with other sponsors, presents Net Energy Homes Conference on May 6-8 in Stevenson, Washington.** The event will focus on integrating energy efficiency and solar energy in affordable homes. For more information and to register, please go to [capps.wsu.edu/netenergy](http://capps.wsu.edu/netenergy).

**The American Institute of Architects presents the 2003 National Convention and Expo on May 8-10 in San Diego, California.** Building and design industry professionals can learn more about how building design contributes to human well-being and productivity. For more information and to register, go to [www.iaaconvetion.com](http://www.iaaconvetion.com).

**The Institute of the North at Alaska Pacific University and The Northern Forum are hosting the 2003 Sustainable Development Workshop on May 19-26 in Anchorage, Alaska.** A follow up to the 2002 World Summit on Sustainable Development, the conference aims to identify shared lands and discuss current land management patterns, among other things. For more information, please see [www.institutenorth.org/2003\\_sustainable\\_development\\_wor.htm](http://www.institutenorth.org/2003_sustainable_development_wor.htm).

**The National Fuel Funds Network, the National Energy Assistance Directors' Association, and the National Low Income Energy Consortium present Building Bridges: Prospecting for Solutions and Golden Opportunities on June 8-12 in Sacramento, California.** Participants will learn about the problem of and possible solutions to low-income consumers' energy hardships. More information about the joint conference can be found at [www.nliec.org/2003conf/2003conf.htm](http://www.nliec.org/2003conf/2003conf.htm)

**Lost Valley Educational Center is presenting Life Cycle Assessment for Building Designers Workshop on July 25-27 in Dexter, Oregon.** For more information and to register, visit [www.lostvalley.org/Lifecycle.html](http://www.lostvalley.org/Lifecycle.html).

**IIR Exhibitions presents the Sustainable Energy Expo and Conference on October 1-3 in Los Angeles, California.** Suppliers will demonstrate the benefits and viability of sustainable energy to a business audience. Workshops, roundtables, and informal networking will provide attendees with numerous educational opportunities. For more information, visit [www.sustainableexpo.com](http://www.sustainableexpo.com).

[Back to Table of Contents](#)

## **STUDIES, REPORTS,** **AND ANALYSES**

### **ALTERNATIVE FUELS AND VEHICLES**

***Using Camless Valvetrain for Air Hybrid Optimization*, University of California, Ford Motor Company, and Michael M. Schechter, Winter 2003**

Presented at the SAE 2003 World Congress, March 3 – 6, in Detroit, Michigan, this study projects that an air hybrid engine could improve fuel economy by 64 percent in city driving. In contrast to electric hybrids, air hybrids have only one motor, and use compressed air to assist in vehicle acceleration.



### ***Comparative Assessment of Fuel Cell Cars, Massachusetts Institute of Technology, February 2003***

The study argues that there is no basis to prefer fuel cell vehicle engines (using compressed hydrogen) over internal combustion engines (using gasoline and diesel fuel) over the next 20 years, based upon lowest life-cycle energy use and greenhouse gas (GHG) releases. Hybrids can reduce energy use and GHG releases significantly in this 20-year period, and longer term, the study identifies hydrogen fuel, sustainably produced, as the best option. Access a copy of the study at

[lfee.mit.edu/publications/PDF/LFEE\\_2003-001\\_RP.pdf](http://lfee.mit.edu/publications/PDF/LFEE_2003-001_RP.pdf).

[Back to Table of Contents](#)

## **UTILITY-RELATED ISSUES**

### ***Electric Power Annual 2001, Energy Information Agency, March 2003***

In this annual outlook of electric power, the Energy Information Agency (EIA) estimates that utility demand-side management programs, which help customers reduce their electrical demand, achieved close to a 25 gigawatts reduction in peak demand in 2001. The total net summer generating capacity increased by 4.5 percent to 36.5 gigawatts. Overall, electric utility restructuring slowed considerably;; the financial problems of California's utilities, as well as the collapse of the Enron Corporation put the industry in a state of flux that is expected to continue for the foreseeable future. See the report at

[www.eia.doe.gov/cneaf/electricity/epa/epa\\_sum.html](http://www.eia.doe.gov/cneaf/electricity/epa/epa_sum.html).

## **MISCELLANEOUS**

### ***Small-Scale Cogeneration Handbook, 2<sup>nd</sup> Edition, Bernard F. Kolanowski, March 2003***

Provides information on how onsite cogeneration can be used to increase fuel efficiency, lower fuel use,, and maximize savings. The report also includes information on recent regulatory developments. impact, system selection and sizing, permitting requirements, operation and maintenance, financing, technology basics, micro turbines, absorption chillers, distributed generation, and case histories. For more information, visit [www.energypromotion.net](http://www.energypromotion.net).

### ***Business Strategy Needed for GSA's Advantage System, General Accounting Office, February 2003***

The House Committee on Government Reform asked the General Accounting Office (GAO) to examine the effectiveness of the General Services Administration's Advantage System. Advantage enables Federal agencies to conduct market research and acquire a wide variety of products and services on line. GAO states that only one half of one percent of Federal acquisitions are conducted through the Advantage system. This the agency believes is due to limitations in the system's initial design and limited vendor participation. In the report, GAO recognized GSA's efforts to enhance the system but believes Advantage can only become a successful procurement vehicle if GSA develops a business strategy, which addresses the following issues:

- Is it technically feasible to make purchases of all products and services on line given the range of activities involved with making more complex acquisitions?
- If so, is the Advantage the most appropriate system to do this?
- If not, could the Advantage system be used for smaller, simpler purchases and as an information source for making larger, more complicated purchases.

To review the report, visit the GSA web site at [www.gao.dog/daybook](http://www.gao.dog/daybook) and refer to Report Number GAP-03-328.

[Back to Table of Contents](#)



# ATTACHMENT A

## NEW LEGISLATION OF INTEREST TO FEMP

### HOUSE

Number	Short title	Date	Sponsor	Status
<i>H.R. __</i>	<i>Energy Policy Act of 2003</i>	February	Joe Barton (R/TX)	Referred to the Subcommittee on Energy and Air Quality (Committee on Energy and Commerce)  Marked up by the Subcommittee on Energy and Air Quality
<p><b>Sec. 1002. Energy Management Requirements</b> – amends <i>NECPA</i></p> <p>a) <u>Energy Reduction Goals</u> – amends section 543(1)(1) strikes “its Federal buildings so that...” and adds “the Federal buildings of the agency, including each industrial or laboratory facility so that the energy consumption per gross square foot of the Federal buildings of the agency” in FY 2004 – FY 2013 is reduced as compared to gross sq. ft. in FY 2001 (superseding previous goals/baselines) by the following percentages:</p> <p style="margin-left: 40px;">2004 – 2% 2205 – 4% 2006 – 6% 2007 – 8% 2008 – 10% 2009 – 12% 2010 – 14% 2011 – 16% 2012 – 18% 2013 – 20%</p> <p>b) <u>DOE to review results</u> – amends section 543(a) by 12/31/12 of implementation of this requirement and submit report to Congress with recommendations for energy performance requirements for FY 2014 – 2023.</p> <p>c) <u>Permits Federal agencies to “exclude”</u> -amends section 543(c)(1) from requirement if determined by agency head that compliance would be impracticable; agency has completed/submitted all Federally required energy management reports; agency has achieved compliance with this <i>Act</i>, <i>EPACT</i>, executive orders, and other Federal laws; agency has implemented all practicable, life cycle cost-effective projects to buildings to be excluded. Impracticability to be based on energy intensiveness of activities or performance of national security function(s).</p> <p>d) <u>Review by Secretary</u> – amends section 543(c)(2) replaces “impracticability standards” with “standards for exclusion” and replaces “a finding of impracticability” with “the exclusion”</p>				

Number	Short title	Date	Sponsor	Status
	<p>e) <u>Criteria – amends section 543(c)</u> DOE to provide exclusion criteria within 180 of enactment</p> <p>f) <u>Retention of energy savings – amends section 546</u> agencies may retain appropriated funds for energy expenditures at buildings subject to Sec. 543(a) and (b) requirements that are not made due to energy savings; unless otherwise provided by law, such funds may be used only for energy efficiency or unconventional and renewable energy resources projects</p> <p>g) <u>Reports – amends section 48(b)</u> by inserting “The President” before Congress</p> <p>h) <u>Conforming amendment – amends section 550(d)</u> strikes “20% reduction goal [sec. 543(a)] – inserts “each of the energy reduction goals established under section 543(a)</p> <p><b>Sec. 1003. Energy Use Measurement and Accountability</b> – amends <i>NECPA</i></p> <p>e) <u>Metering of Energy Use – amends section 543</u>  1) by 10/1/10, based on DOE guideline, all Federal buildings shall be metered and submetered for energy/cost savings; 2) agencies shall use to maximum extent practicable, advanced meters/devices providing daily data and hourly energy use of electricity in Federal buildings; 3) data to be incorporated into existing Federal energy tracking systems and made available to facility energy managers; 4) DOE in consultation with DOD, GSA, and metering/utility/energy services/energy efficiency/national laboratories/universities/Federal facility managers shall establish guidelines to carry out requirement; 5) guidelines to consider cost of metering and submetering and anticipated reduced cost of O&amp;M; expected increased potential for energy management, savings, efficiency improvement, costs and energy savings due to utility contract aggregation; DOE M&amp;V protocol to include recommendations for amount of funds and number of trained personnel needed to collect and use metering information to track and reduce energy use; priorities for types/locations of metered and submetered buildings based on cost effectiveness and (within 1 year) requirements shall take effect; establish exclusions from requirements on de minimis quantity of energy use of Federal buildings, industrial process, or structure.</p> <p>Within 6 months of establishing guidelines, each agency shall submit plan to DOE for implementing these requirements.</p> <p><b>Sec. 1004. Federal Building Performance Standards</b> (amends <i>ECPA</i>)</p> <p>a) <u>Revision – section 305(a)</u> replace “CABO Model Energy Code, 1992” with “the 2000 International Energy Conservation Code” (IEEC)</p> <p><u>Directs DOE to revise, by rule, Federal Building Energy Efficiency Performance Standards</u> (if cost effective) for new buildings within 1 year of enactment: building designs to achieve energy use levels at least 30% below most recent ASHRAE Standard 90.1 or IECC; apply sustainable design principles to siting, design, and construction of new and replacement buildings</p> <p><u>Within 1 year of revisions to ASHRAE 90.1 or IECC, determine, based on</u></p>			

Number	Short title	Date	Sponsor	Status
	cost effectiveness of requirements, if revised standards should be updated			
	Statement of compliance with this section to be provided by agencies in annual budget request and report to include list of all new Federally owned, operated or controlled buildings; state if buildings meet or exceed revised standards as directed			
	<b>Section 1005. Procurement of Energy Efficient Products</b> - amends <i>NECPA</i> , Part 3, title V			
	a) <u>Definitions</u> : <u>Energy Star Product</u> – “rated for energy efficiency under an Energy Star program,” <u>Energy Star Program</u> – “program established by section 324A” of EPCA, <u>Executive Agency</u> – (refer to section 4, <i>Office of Federal Procurement Policy Act</i> , <u>FEMP Designated Product</u> – “among the highest 25 percent of equivalent products for energy efficiency”			
	b) <u>Procurement of Energy Efficient Products</u> to meet requirements, agencies must procure Energy Star or FEMP designated products; <u>Exceptions allowed</u> if such products are not cost effective over life of product or if no such product meeting functional requirements is available; <u>Procurement Planning</u> agencies shall include specifications in all procurements involving energy consuming products and systems, including guide and project specifications, construction, renovation, and service contracts (that include provisions of energy consuming products and systems), and into factors for evaluation of offers received, criteria for energy efficiency consistent with criteria for rating Energy Star and FEMP designated products			
	c) <u>Listing of Energy Efficient Products in Federal Catalogs</u> Energy Star and FEMP designated products shall be clearly identified and prominently displayed in GSA and DLA product inventory or listing; GSA or DLA shall supply only Energy Star or FEMP designated products for all categories cover by Energy Star or FEMP; <u>Exceptions</u> ordering agency must specify in writing that no such product is available to meet functional requirements or is cost-effective;			
	d) <u>Designation of Electric Motors of 1-500 hp</u> agencies shall select only premium efficient motors meeting DOE standard, which will be designated within 120 of enactment DOE to consider electric motor manufacturers and energy efficiency group recommendations for a standard			
	e) <u>Regulations/DOE to issue guidelines</u> for this section within 180 days of enactment.			
	<b>Sec. 1006. Energy Savings Performance Contracts</b> – amends <i>NECPA</i>			
	a) <u>Permanent Extension 801(c)</u> – repeals provision (and adds the following):			
	b) <u>Replacement Facilities</u> - amends section 801(c) by adding - in case of energy savings contract or ESPC for energy savings through construction and operation of 1 or more buildings or facilities to replace 1 or more existing buildings or facilities, benefits ancillary to purpose of such contract may include savings resulting from reduced costs of O&M at such replacement buildings or facilities when compared with costs of O&M at buildings or facilities being replaced, established through methodology set forth in			

Number	Short title	Date	Sponsor	Status
	<p>contract; <u>Aggregate annual payments</u> [not withstanding paragraph (2)(B)], by any agency under an energy savings contract or ESPC, may take into account (through procedures developed in this section) savings resulting from reduced costs of O&amp;M</p> <p>c) <u>Energy Savings</u> - amends section 804(2) means reduction in cost of energy or water from base cost established through methodology set forth in contract, used in existing federally owned buildings(s) or other facilities as result of lease or purchase of operating equipment, improvements, altered O&amp;M, or technical services; increased efficient use of existing energy sources by cogeneration or heat recovery (excluding cogeneration process for other than Federally owned building(s) or facilities; or increased efficient use of existing water resources. <u>For replacement buildings or facilities</u> – reduction in cost of energy from base cost established through methodology set forth in contract that would otherwise be used in 1 or more existing Federally owned buildings or facilities by reason of construction and operation of replacement buildings or facilities</p> <p>d) <u>Energy Savings Contract and ESPC</u> - amends <u>section 804(3)</u> means contract that provides for performance of services for design, acquisition, installation, testing, operations, and where appropriate, maintenance and repair of identified energy and water conservation measure(s) or energy savings through construction and operation of 1 or more buildings or facilities to replace 1 or more existing buildings or facilities; Such contracts for Federal public building shall be in compliance with prospectus requirements and procedures of section 7 of <i>Public Buildings Act of 1959</i></p> <p>e) <u>Energy or Water Conservation Measure</u> - amends section 804(4) conservation measure is defined by section 551(4) water conservation measures improves water efficiency, is life cycle cost-effective, and involves water conservation, water recycling or reuse, more efficient treatment of wastewater or stormwater, improvements in O or M efficiencies, retrofit activities, or other related activities not at a Federal hydroelectric facility</p> <p>f) <u>Review</u> within 180 days of enactment, DOE shall complete a review of ESPC program to identify statutory, regulatory, and administrative obstacles preventing Federal agencies from fully using program. <u>Review to identify all areas for increasing program flexibility and effectiveness</u>, including audit and M&amp;V requirements, accounting for energy use in determining savings, contracting requirements, and energy efficiency services covered; <u>DOE shall report findings</u> to House Committee on Energy and Commerce and Senate Committee on Energy and Natural Resources; <u>DOE shall implement identified administrative and regulatory changes</u> to extent such changes are consistent with statutory authority</p> <p><b>Sec. 1007 Voluntary Commitments to Reduce Industrial Energy Intensity</b></p> <p>a) <u>Voluntary Agreements</u> DOE shall enter into voluntary agreements with 1 or more persons in industrial sector that consume significant amounts of primary energy per unit of physical output to reduce energy intensity of production activities</p>			

Number	Short title	Date	Sponsor	Status
	<p>b) <u>Goal</u> reduce energy intensity by not less than 2.5% each year between 2004 – 2014</p> <p>c) <u>Recognition</u> – DOE in cooperation with EPA and other agencies shall develop mechanisms to recognize and publicize participant achievements in such agreements</p> <p>d) <u>Definition</u> – energy intensity means primary energy consumer per unit of physical output in an industrial process</p> <p>e) <u>Technical Assistance</u> entities entering into this agreement and making good faith effort to achieve energy efficiency goals shall be eligible to receive DOE grant or technical assistance to assist in achieving goals</p> <p>f) <u>Repoert</u> By 6/30/10 and 6/30/14, DOE shall submit report to Congress evaluating success of voluntary agreements with independent verification of a sample of energy savings estimates provided by participating firms</p> <p><b>Sec. 1008 Federal Agency Participation in Demand Reduction Programs</b> amends section 546 of <i>NECPA</i> vy adding the following:</p> <p>6) Federal agencies are encouraged to participate in state or regional demand side reduction programs; programs including onsite generation and the resulting savings should be included in evaluation of energy options for Federal facilities</p> <p><b>Sec. 1009 Advanced Building Efficiency Testbed</b></p> <p>a) <u>Establishment</u> DOE, in consultation with GSA, shall establish Advanced Building Efficiency Testbed program to develop, test, and demonstrate advanced engineering systems, components, and materials to enable building technology innovation; Program shall evaluate efficiency concepts for government and industry buildings and demonstrate ability of next generation buildings to support individual and organizational productivity, health, flexibility, and technological change to improve environmental sustainability. Program will complement, not duplicate existing national programs</p> <p>b) <u>Participants</u> to be led by a university with the expertise in intelligent workplaces and advanced building systems and engineering, electrical and computer engineering, etc.; Lead university shall partner with other universities and entities with establish programs.</p> <p>c) <u>Funding</u> – authorizes \$6 million for each fiscal year between 2004 – 2006 to DOE; For each fiscal year, 1/3 of total amount to go to lead university and 2/3 of funding to be distributed to other participants on equal basis</p> <p><b>Sec. 1010. Increased use of Recovered mineral Component in Federally Funded Projects Involving Procurement of Cement or Concrete</b></p> <p>a) <u>Amendment</u> – subtitle F, <i>Solid Waste Disposal Act</i> by adding: increased use of recovered mineral component in Federally Funded projects involving</p>			

Number	Short title	Date	Sponsor	Status
	<p>procurement of cement or concrete; <u>defines cement or concrete project</u> as a project for construction of a highway or other transportation facility or Federal, state, or local government building or other public facility that involves procurement of cement, carried out in whole or part using Federal fund; <u>Recovered mineral component defined as:</u> ground granulated blast furnace slag, coal combustion fly ash, and any other waste material or byproduct recovered or diverted from solid waste EPA in consultation with agencies, determine should be treated as such; <u>Implementation</u> within 1 year of enactment, EPA and agencies shall take necessary actions to fully implement all procurement requirements and incentives to provide the use of cement and concrete incorporating recovered mineral component in cement or concrete projects; <u>Priority</u> agencies should give greatest priority to using such materials for projects, which historically have not included (or minimally used) such materials; <u>Study</u> EPA, in consultation with DOE and other agencies, shall conduct study to determine extent to which current procurement requirements, when fully implemented, may realize energy savings and environmental benefits</p>			

## SENATE

Number	Short title	Date	Sponsor	Status
<b>S. 658</b>	<b><i>Energy Savings Performance Contracts Amendment Act of 2003</i></b>	March 19	Jeff Bingaman	Referred to the committee on Energy and Natural Resources
	<p><b>Key Provisions:</b></p> <p>Provides for the permanent extension of ESPCs by repealing section 801(c) of <i>NECPA</i>.</p> <p>Amends section 801(a) of <i>NECPA</i> by adding: (3)(A) In case of an energy savings contract or ESPC providing for energy savings through construction and operation of 1 or more buildings of facilities to replace 1 or more existing buildings or facilities, benefits ancillary to purpose of such contract under paragraph (1) may include savings resulting from reduced costs of operation and maintenance at such replacement buildings or facilities when compared with costs of O &amp; M at buildings or facilities being replaced.</p> <p>(B) Notwithstanding paragraph (2)(B), aggregate annual payments by an agency under an energy savings contract or ESPC referred to in subparagraph (A) may take into account (through procedures developed pursuant to this section) savings resulting from reduced costs of O &amp; M as described in subparagraph (A).</p> <p>Amends section 804(2) of <i>NECPA</i> – defines energy savings as a reduction in cost of energy or water, from a base cost established through a methodology set forth in contract, used in existing Federally owned building or buildings or other Federally owned facilities as a result of:</p> <ul style="list-style-type: none"> <li>➤ lease or purchase of operating equipment, improvements, altered O &amp; M, or technical services;</li> <li>➤ increased efficient use of existing energy sources by cogeneration or heat</li> </ul>			



Number	Short title	Date	Sponsor	Status
	<p>recovery, excluding any cogeneration process for other than Federally owned building(s) or other Federally owned facilities;</p> <ul style="list-style-type: none"> <li>➤ increased efficient use of existing water sources or</li> <li>➤ in case of replacement building or facility, reduction in cost of energy, from base cost established through methodology set forth in contract, that would otherwise be used in 1 or more existing Federally owned buildings or other Federally owned buildings by reason of construction and operation of the replacement building or facility</li> </ul> <p>Amends section 804(3) of <i>NECPA</i> as follows:</p> <ul style="list-style-type: none"> <li>➤ the terms energy savings contract and energy savings performance contract mean a contract which provides for performance of services for design, acquisition, installation, testing, operation, and where appropriate, maintenance and repair, of identified energy or water conservation measure or series of measures at 1 or more buildings or facilities to replace 1 one or more existing buildings or facilities.</li> </ul> <p>Amends section 804(4) of <i>NECPA</i> as follows:</p> <ul style="list-style-type: none"> <li>➤ the term energy or water conservation measure means an energy conservation measure as defined in section 551(4) or water conservation measure that improves water efficiency, is life cycle cost effective,, and involves water conservation, recycling or reuse, improvements in O &amp; M efficiencies, retrofit activities or other related activities not at a Federal hydroelectric facility.</li> </ul> <p>Within 180 days of enactment, directs DOE to complete a review of ESPC program to identify statutory, regulatory, and administration obstacles preventing Federal agencies from fully using program. Review shall identify all areas for increasing program flexibility and effectiveness, including audit and measurement verification requirements, accounting for energy use in determining savings, contracting requirements, and energy efficiency services covered. DOE to submit findings to House Committee on Energy and Commerce and Senate Committee on Energy and Natural Resources. DOE shall implement identified administrative and regulatory changes to increase program flexibility and effectiveness to extent such changes are consistent with statutory authority.</p> <p>Amends Title VIII of <i>NECPA</i> as follows:</p> <ul style="list-style-type: none"> <li>➤ Authorizes DOD and other interested Federal agencies, to participate on a pilot basis in up to 10 ESPC projects to achieve savings, secondary savings, and benefits incidental to those purposes, in non-building energy efficiency improvement projects.</li> <li>➤ DOE, in consultation with DOE and other interested agencies shall select up to 10 contract projects for pilot program; selected projects shall demonstrate applicability and benefit of ESPCs to a range of non-building energy efficiency improvement projects.</li> <li>➤ Defines non-building as any vehicle, device, or equipment that is</li> </ul>			



Number	Short title	Date	Sponsor	Status
	<p>transportable under its own power by land, sea, or air and consumes energy from any fuel source.</p> <p>➤ Defines secondary savings as additional energy or cost savings that are direct consequence of energy savings resulting from energy efficiency improvements financed and implemented pursuant to an ESPC; secondary savings may include, but not limited to, energy and cost savings resulting from reduction in need for fuel delivery and logistical support. Secondary savings for electric generation equipment may include benefits of increased efficiency in production of electricity.</p> <p>Within 3 years of enactment, DOE shall submit report to Congress on progress and results of pilot program.</p> <p>Amends section 546(c)(3) of <i>NECPA</i> by striking facilities and inserting facilities, equipment, and vehicles.</p>			

[Back to Table of Contents](#)

# **ATTACHMENT B**

## **HEARINGS SCHEDULE**

### HOUSE – APPROPRIATIONS

<b>Date/Committee</b>	<b>Chair</b>	<b>Hearing Title/Issues</b>	<b>Witnesses</b>	<b>Time/Location</b>
<i>April 1 –</i>  <b>Subcommittee on Veterans' Affairs, Housing and Urban Development, and Independent Agencies</b>	James Walsh (R/NY)	Hearing –  FY 2004 budget Request for the National Aeronautics and Space Administration	TBA	10:00 a.m. and 21:30 p.m. Room H 143 Capitol
<i>(NEW)</i>				
<i>April 2 –</i>  <b>Subcommittee on Interior and Related Agencies</b>	Bill Young (R/FL)	<i>Hearing –</i>  <b>FY 2004 Budget Request for programs under the subcommittee's jurisdiction</b>	Members of Congress	10:00 a.m. Room B-308 Rayburn Office building
<i>(NEW)</i>				
<i>April 2 –</i>  <b>Subcommittee on Veterans' Affairs, Housing and Urban Development, and Independent Agencies</b>	James Walsh (R/NY)	Hearing –  FY 2004 budget Request for the Environmental Protection Agency	TBA	10:00 a.m. and 2:00 p.m. Room H 143 Capitol
<i>(NEW)</i>				
<i>April 3 –</i>  <b>Subcommittee on Veterans' Affairs, Housing and Urban Development, and Independent Agencies</b>	James Walsh (R/NY)	Hearing –  FY 2004 budget Request for programs under the subcommittee's jurisdiction	TBA	9:30 a.m. Room H 143 Capitol
<i>(NEW)</i>				
<i>April 8–</i>  <b>Subcommittee on Veterans' Affairs, Housing and Urban</b>	James Walsh (R/NY)	Hearing –  FY 2004 budget Request for the National Aeronautics and Space	TBA	9:30 a.m. Room H 143 Capitol

Date/Committee	Chair	Hearing Title/Issues	Witnesses	Time/Location
Development, and Independent Agencies		Administration		
<i>(NEW)</i>				

#### HOUSE – AUTHORIZATIONS/OVERSIGHT

Date/Committee	Chair	Hearing Title/Issues	Witnesses	Time/Location
<i>April 1</i> –  Committee on Energy and Commerce	Billy Tauzin (R/LA)	<i>Mark Up –  H.R. __ - Energy Policy Act of 2003</i>	N/A/	9:30 a.m. Room 2123 Rayburn Office Building
<i>(NEW)</i>				

#### CONFERENCE COMMITTEE NEGOTIATIONS/FLOOR VOTES

*No activity of interest has been announced.*

#### SENATE – APPROPRIATIONS

Date/Committee	Chair	Hearing Title/Issues	Witnesses	Time/Location
<i>April 1</i> -  Subcommittee on Commerce, Justice, State, and the Judiciary	Judd Gregg (R/NH)	<i>Hearing –  FY 2004 Budget Request for the Department of Justice</i>	TBA	10:00 a.m. Room 192 Dirksen Office Building
<i>(NEW)</i>				
<i>April 2</i> -  Subcommittee on Defense	Ted Stevens (R/AK)	<i>Hearing –  FY 2004 Budget Request for the Navy</i>	TBA	10:00 a.m. Room 192 Dirksen Office Building
<i>(NEW)</i>				

#### SENATE – AUTHORIZATIONS/OVERSIGHT

Date/Committee	Chair	Hearing Title/Issues	Witnesses	Time/Location
<i>April 8 (other dates to be announced)</i>	Pete Domenici (R/NM)	<i>Mark Up – Comprehensive Energy Legislation</i>	N/A	Time TBA Room 366 Dirksen Office Building
<i>(NEW)</i>				

#### CONFERENCE COMMITTEE NEGOTIATIONS/FLOOR VOTES

*No activity of interest has been announced.*

[Back to Table of Contents](#)

## **ATTACHMENT C – NEW TECHNOLOGIES**

**For informational purposes only. Listing does not imply endorsement.**

<b>Technology</b>	<b>Manufacturer</b>	<b>Manufacturers Claim</b>	<b>Contact</b>
<b><i>HVAC</i></b>			
<b>Self-Clean Air Flow System®</b>	Clarion Health	Yields reduced energy costs and longer life for HVAC equipment	<a href="http://www.clarionhealth.com">www.clarionhealth.com</a>
<b>XL19i Air Conditioning System</b>	Trane, Residential Products Group	SEER rating up to 19.5	<a href="http://www.trane.com">www.trane.com</a>
<b><i>LIGHTING</i></b>			
<b>Recessed Pendant Series</b>	Shaper/Cooper Lighting	Energy efficient	<a href="http://www.shaperlighting.com">www.shaperlighting.com</a>
<b>R20 LED Reflector Lamp</b>	LEDtronics®	11-year LED operating life; 80 – 90 percent energy cost savings compared with incandescent	<a href="http://www.ledtronics.com">www.ledtronics.com</a>
<b>Avenue Virtual Fixture</b>	Thorn Lighting	Captures 95 percent of light emitted from lamp	<a href="http://www.thornlighting.com">www.thornlighting.com</a>
<b>Super Luminance LED</b>	PEC Lamp Corporation	Two to five times more intensified radiance compared to ordinary LED	<a href="http://www.peclamp.com/new_mh.htm">www.peclamp.com/new_mh.htm</a>
<b>Model 5331 Compact Fluorescent Work Light</b>	McGill Electrical Product Group	Features an energy-efficient, 10,000-hour rough service twin-tube fluorescent lamp	<a href="http://www.mcgillelectrical.com">www.mcgillelectrical.com</a>
<b>Level Indirect/Direct Fixture</b>	Energie Lighting	Micro Downlight Technology provides 15 percent to 21 percent downlight without added glare	<a href="http://www.energielighting.com/EnergieHome.htm">www.energielighting.com/EnergieHome.htm</a>
<b>EnviroLux™ Low Profile LED</b>	Delaney Industries	Potential for excellent energy savings; long life	<a href="http://www.delind.com">www.delind.com</a>
<b>Pivot Fixture</b>	Architectural Area Lighting	Uses energy efficient fluorescent lamps and electronic ballasts	<a href="http://www.aal.net">www.aal.net</a>
<b><i>ENERGY MANAGEMENT TOOLS</i></b>			
<b>DG-C-500 Gen Set Controller</b>	Basler	Allows customization of controller's functions	<a href="http://www.basler.com">www.basler.com</a>
<b>UPS Web-Pac Power Management Software</b>	MGE	Provides secure management of network-attached UPS systems from anywhere on the network	<a href="http://www.mgeups.com">www.mgeups.com</a>
<b>Model 2000 Plus ATS and Advantech WebLink Hardware and Software</b>	Russelectric	Provides real-time control, data acquisition, trend reporting, alarming	<a href="http://www.russelectric.com">www.russelectric.com</a>

Technology	Manufacturer	Manufacturers Claim	Contact
<b>PowerCommand Digital Gen Set Control</b>	Cummins Power Generation	Allows digital voltage regulation, digital governing, and gen set protective functions	<a href="http://www.cumminspower.com">www.cumminspower.com</a>
<b>HVAC Solution 2.0 Design Software</b>	HVAC Solution Inc.	Generates detailed system reports	<a href="http://www.hvacsolution.com">www.hvacsolution.com</a>
<b>On-line Search Engine</b>	eLumit	Free lighting product search engine	<a href="http://www.elumit.com">www.elumit.com</a>
<b>ION 6200(TM) Meter</b>	Power Measurement	Provides energy-cost tracking, load profiling, and substation panel metering	<a href="http://www.pwrm.com/products/devices/ION6200">www.pwrm.com/products/devices/ION6200</a>
<b>AS-100 Automatic Control Switch</b>	Watt Stopper	Enables automatic facility-wide lighting control and local, manual on/off control	<a href="http://www.wattstopper.com">www.wattstopper.com</a>
<b>CA-6100 CA-CALC Portable Combustion Analyzer</b>	TSI Incorporated	Provides real-time analysis of gas/oil/wood heating systems and other combustion applications to tune burners for efficiency	<a href="http://www.tsi.com">www.tsi.com</a>
<b>Heat Computer 1000</b>	OAS, Inc.	Controls steam (on/off or high/low fire) or hydronic (single- or multi-stage) boilers	<a href="http://www.oas-inc.com">www.oas-inc.com</a>
<b>Total Web Solutions (TWS) Ethernet Card and Web Reporting Tool</b>	Electro Industries/Gauge Tech	Monitors real-time power data via the Internet	<a href="http://www.electroind.com">www.electroind.com</a>
<b>The 806 Power Analyzer</b>	IDEAL Industries, Inc.	Provides single- and three-phase measurements with auto-configuration to standard electrical systems	<a href="http://www.idealindustries.com">www.idealindustries.com</a>
<b>MISCELLANEOUS</b>			
<b>HR1018 Variable-Frequency Drive</b>	Saftronics Inc.	Variable-torque vector drive for exceptional energy efficiency	<a href="http://www.saftronics.com/HVAC">www.saftronics.com/HVAC</a>
<b>Candeco DC Power System</b>	Emerson Energy Systems	Modular 93 percent efficient rectifier	<a href="http://www.emersonenergy.com">www.emersonenergy.com</a>
<b>G3500 Series Natural-Gas-Fueled Gen Set</b>	Caterpillar	Driven by lean-burn gas reciprocating engines	<a href="http://www.caterpillar.com">www.caterpillar.com</a>
<b>Signature Series 5000 UPS</b>	GE Digital Energy	Space vector modulation results in higher efficiency from the inverter	<a href="http://www.geindustrial.com/industrialsystems/gede/index.html">www.geindustrial.com/industrialsystems/gede/index.html</a>
<b>Specular® Reflective Material</b>	Material Sciences Corporation	Allows maximum light to reach indoor spaces using sunlight and reflective properties	<a href="http://www.matsci.com">www.matsci.com</a>
<b>Hydrogen-Powered Gen Set</b>	Ballard Power Systems	Energy-efficient	<a href="http://www.ballard.com">www.ballard.com</a>

[Back to Table of Contents](#)

## **ATTACHMENT D**

### **MEETINGS, CONFERENCES, AND OTHER EVENTS**

**NOTE:** New events are highlighted in **blue**.  
DOE-sponsored events are highlighted in **red**.

#### ATLANTA REGION

DATE	EVENT	SPONSOR
<b>April 30, 2003</b>	<b>High Performance School Buildings Workshop Georgetown, KY</b>	<b>Sustainable Buildings Industry Council</b>
May 7-10, 2003	11 <sup>th</sup> Rinker International Conference on Destruction and Materials Reuse Gainesville, FL	Center for Construction and Environment
<b>May 20-23, 2003</b>	<b>Environmental Leadership Workshop Mammoth Cave, KY</b>	<b>National Park Service</b>
<b>June 23-26, 2003</b>	<b>2003 National Workshop on State Building Energy Codes Atlanta, GA</b>	<b>Department of Energy</b>
August 8-12, 2005	Solar World Congress 2005 Orlando, FL	International Solar Energy Society
<b>August 17-20, 2003</b>	<b>Energy 2003 Orlando, FL</b>	<b>FEMP</b>
November 12-13, 2003	World Energy Engineering Congress (WEEC) Atlanta, GA	Association of Energy Engineers
November 12-14, 2003	High Performance Facilities Expo 2003 Atlanta, GA	Association of Energy Engineers

#### BOSTON REGION

DATE	EVENT	SPONSOR
<b>April 1-2, 2003</b>	<b>CERES 2003 Conference: Advancing Sustainable Governance New York, NY</b>	<b>CERES Network</b>
April 2-3, 2003	GLOBALCON 2003 Boston, MA	Association of Energy Engineers
<b>April 7-8, 2003</b>	<b>New Roofs for a New Century New York City, NY</b>	<b>Center for Economic and Environmental Partnership, Inc.</b>
May 3-8, 2003	Lightfair International 2003	Lightfair International
<b>May 9, 2003</b>	<b>Wood Construction Mashantucket, CT</b>	<b>University of Massachusetts</b>

DATE	EVENT	SPONSOR
May 27-30, 2003	14 <sup>th</sup> Global Warming Conference Boston, MA	Global Warming International Center
<b>June 9-11, 2003</b>	<b>Multifamily Buildings: Healthy, Durable, Energy Efficient New York City, NY</b>	<b>Department of Energy</b>
<b>June 23-24, 2003</b>	<b>Electricity 101: The Essential Seminar on Power Market Restructuring Boston, MA</b>	<b>Energy Seminars, Inc.</b>
July 29-31, 2003	Waterpower XIII Buffalo, NY	HCI Publications
July 29-August 1, 2003	2003 ACEEE Summer Study on Energy Efficiency in Industry: Sustainability and Industry – Increasing Energy Efficiency and Reducing Emissions Rye Brook, NY	American Council for an Energy Efficient Economy
October 14-15, 2003	3 <sup>rd</sup> Annual Empire Energy and Environmental Exposition (E4) Albany, NY	Environmental Business Association of New York State, Inc.

#### CHICAGO REGION

DATE	EVENT	SPONSOR
April 12-13, 2003	Living Green Expo St. Paul, MN	Minnesota Pollution Control Agency, Department of Natural Resources, Office of Environmental Assistance and many others
<b>April 9-11, 2003</b>	<b>CSI Show Chicago, IL</b>	<b>Construction Specifications Institute</b>
<b>April 11-13, 2003</b>	<b>Minnesota Green Living Expo St. Paul, MN</b>	<b>Minnesota Department of Natural Resources</b>
<b>May 13, 2003</b>	<b>Wisconsin Green Power Workshop Milwaukee, WI</b>	<b>Center for Resource Solutions</b>
<b>May 29-30, 2003</b>	<b>Greening Rooftops for Sustainable Communities Chicago, IL</b>	<b>Green Roofs for Healthy Cities/City of Chicago</b>
May 29-31, 2003	Sustainability Forum St. Paul, MN	Environmental Protection Agency
<b>June 18-19, 2003</b>	<b>Design Strategies for Low-Energy, Sustainable, Secure Buildings Chicago, IL</b>	<b>Department of Energy</b>
<b>July 21-25, 2003</b>	<b>Fundamentals of Energy Auditing Madison, WI</b>	<b>University of Wisconsin's College of Engineering</b>



DATE	EVENT	SPONSOR
September 18-20, 2003	Greening of the Campus V: Connecting to Place Muncie, IN	Ball State University
October 15-18, 2003	2003 Excellence in Building Conference & Exposition Chicago, IL	Energy and Environmental Building Association

#### DENVER REGION

DATE	EVENT	SPONSOR
April 13-17, 2003	26 <sup>th</sup> International Conference on Making Cities Livable Santa Fe, New Mexico	International Making Cities Livable Council
April 15-16, 2003	National Tribal Sustainability Conference Santa Ana Pueblo, New Mexico	Council of Energy Resources Tribes
April 29-30, 2003	Photovoltaic Training Workshop Kansas City, MO	Department of Energy
May 2, 2003	Leaders of Sustainability in an Urban Environment Sustainability Expo Denver, CO	University of Colorado
May 4-7, 2003	25th Silver Anniversary Symposium on Biotechnology for Fuels and Chemicals Breckenridge, CO	National Renewable Energy Laboratory
May 9-10, 2003	Sustainable Dallas Annual Conference Dallas, TX	Sustainable Dallas
May 29-31, 2003	Green Design: Ideas to Inspire Environmentally Responsible Facilities Construction Boulder, CO	National Association of College Auxiliary Services/Society for College and University Planning
June 11-13, 2003	Under the Big Sky Greening Conference Big Sky, MT	Headwaters Cooperative Recycling Partnership/Ethanol Producers and Consumers
June 16-19, 2003	19th Annual International Fuel Ethanol Workshop and Trade Show Sioux Falls, SD	BBI International
June 21-26, 2003	Solar 2003: America's Secure Energy Austin, TX	American Solar Energy Society
September 17-20, 2003	Architectural Engineering 2003: Building Integration Solutions Austin, TX	Architectural Engineering Institute
September 29-October 1, 2003	Building for Greener Communities National Conference Nebraska City, Nebraska	Firewise Communities

DATE	EVENT	SPONSOR
December 10-11, 2003	Business Energy Solutions Expo 2003 New Orleans, LA	American Council for an Energy Efficient Economy

### PHILADELPHIA REGION

Date	Event	Sponsor
March 30-April 1, 2003	National Green Building Conference Baltimore, MD	National Association of Homebuilders Research Center
April 8, 2003	Greening the Workplace and Beyond Washington, DC	National Building Museum
April 8, 2003	Summer Transportation Fuels Outlook Conference Washington, DC	Energy Information Administration
April 10, 2003	Biomass Research and Development Technical Advisory Committee Meeting	EERE's Biomass Research and Development Technical Advisory Committee
April 11-13, 2003	Beyond Compliance: Campus Greening Through Stewardship Conference College Park, MD	University of Maryland
April 15, 2003	2003 ENERGY STAR® Awards Ceremony Washington, DC	Environmental Protection Agency/Department of Energy
April 22, 2003	Ecological, Economic, Cultural, and Intellectual Implications of Sustainability Ambler, PA	Temple University Ambler
April 22-24, 2003	The Conference on Climate Change and Ozone Protection Washington, DC	Earth Technology Forum
April 24-25, 2003	Electricity 101: The Essential Seminar on Power Market Restructuring Baltimore, MD	Energy Seminars, Inc.
April 29, 2003	Seventh Annual Federal Government Summit Washington, DC	U.S. Green Building Council
April 30-May 2, 2003	CHP On the Move: Meeting State, Federal, and International Challenges Washington, DC	United States Combined Heat and Power Association
May 1-3, 2003	Building the Town Green Conference and Trade Show Philadelphia, PA	Delaware Green Building Council
May 8, 2003	Third Annual Green Power: Turn it On! Getting to 10% Conference Harrisburg, PA	PennFuture

<b>Date</b>	<b>Event</b>	<b>Sponsor</b>
<b>May 8-9, 2003</b>	<b>Real-World Sustainable Solutions for EH&amp;S Specialists Washington, DC</b>	<b>ABS Consulting</b>
<b>May 10-14, 2003</b>	<b>2003 Tour de Sol: The Great American Green Transportation Festival Burlington County, NJ; Trenton, NJ; Philadelphia, PA; Washington, DC</b>	<b>Northeast Sustainable Energy Association</b>
<b>May 28-29, 2003</b>	<b>Fuel Cells Summit VII College Park, MD</b>	<b>Department of Energy</b>
<b>June 4-7, 2003</b>	<b>2003 Mid-Atlantic Sustainability Conference Trenton, NJ</b>	<b>New Jersey Clean Energy Program</b>
June 10-12, 2003	Electric Exposition and Conference	Primedia
October 12-14, 2003	2003 AIVC BETEC Conference: Ventilation, Humidity Control and Energy Washington, DC	Building Environment and Thermal Envelope Council
November 12 - November 14, 2003	2003 USGBC International Green Building Conference & Expo Pittsburgh, PA	U.S. Green Building Council

#### SEATTLE REGION

<b>DATE</b>	<b>EVENT</b>	<b>SPONSOR</b>
<b>April 11-13, 2003</b>	<b>HOPES 2003 Eco Design Arts Conference: Ecological Urbanism Eugene, OR</b>	<b>University of Oregon</b>
<b>April 22-23, 2003</b>	<b>Federal Utility Partnership Working Group Meeting Portland, OR</b>	<b>FEMP</b>
<b>April 24-26, 2003</b>	<b>Tools for Community Design and Decision Making Working Session V: Information Technology in Action</b>	<b>PlaceMatters.com</b>
<b>May 6-8, 2003</b>	<b>Net Energy Homes Conference Stevenson, WA</b>	<b>Washington State University</b>
May 7-9, 2003	23 <sup>rd</sup> Annual Utility Energy Forum Tahoe City, CA	Northern California Power Agency
<b>May 8-10, 2003</b>	<b>2003 National Convention and Expo San Diego, CA</b>	<b>American Institute of Architects</b>
<b>May 12-13, 2003</b>	<b>Distributed Energy Resources for Federal Facilities Los Angeles, CA</b>	<b>Department of Energy</b>
<b>May 13-15, 2003</b>	<b>Conference on the Environment Phoenix, AZ</b>	<b>U.S. Fish and Wildlife Service/U.S. Department of the Interior</b>

DATE	EVENT	SPONSOR
<b>May 18-21, 2003</b>	<b>Ninth National Clean Cities Conference and Exposition Palm Springs, CA</b>	<b>Department of Energy</b>
<b>May 19-26, 2003</b>	<b>2003 Sustainable Development Workshop Anchorage, AK</b>	<b>Institute of the North at Alaska Pacific University</b>
May 20-22, 2003	Eleventh National Conference on Building Commissioning Palm Springs, CA	PECI
May 29-31, 2003	The Sustainability Forum Portland, OR	Oregon Forest Resources Institute, Environmental Protection Agency and many others
June 1-4, 2003	2003 EEI Annual Convention/Expo Honolulu, Hawaii	Edison Electric Institute & Canadian Electricity Association
<b>June 8-12, 2003</b>	<b>Building Bridges: Prospecting for Solutions and Golden Opportunities Sacramento, CA</b>	<b>National Fuel Funds Network</b>
<b>July 25-27, 2003</b>	<b>Life Cycle Assessment for Building Designers Dexter, OR</b>	<b>Lost Valley Educational Center</b>
<b>October 1-3, 2003</b>	<b>Sustainable Energy Expo and Conference Los Angeles, CA</b>	<b>IIR Exhibitions</b>

[Back to Table of Contents](#)